

Name: _____

p1103: Expand Product of Linear Binomials (v18)

Question 1

Expand the product of linear binomials. $(x + 1)(x + 2)$

$$x^2 + 2x + x + 2$$

$$x^2 + 3x + 2$$

Question 2

Expand the product of linear binomials. $(x + 9)(x - 4)$

$$x^2 - 4x + 9x - 36$$

$$x^2 + 5x - 36$$

Question 3

Expand the product of linear binomials. $(x - 2)(x - 8)$

$$x^2 - 8x - 2x + 16$$

$$x^2 - 10x + 16$$

Question 4

Expand the product of linear binomials. $(-5x - 6)(8x - 9)$

$$-40x^2 + 45x - 48x + 54$$

$$-40x^2 - 3x + 54$$

Question 5

Expand the product of linear binomials. $(-8x - 1)(-4x - 4)$

$$32x^2 + 32x + 4x + 4$$

$$32x^2 + 36x + 4$$

Question 6

Expand the product of linear binomials. $(x + 5)(x - 2)$

$$x^2 - 2x + 5x - 10$$

$$x^2 + 3x - 10$$

Question 7

Expand the product of linear binomials. $(x + 9)(5x + 1)$

$$5x^2 + x + 45x + 9$$

$$5x^2 + 46x + 9$$

Question 8

Expand the product of linear binomials. $(x + 8)(x + 5)$

$$x^2 + 5x + 8x + 40$$

$$x^2 + 13x + 40$$

Question 9

Expand the product of linear binomials. $(3x - 6)(x + 9)$

$$3x^2 + 27x - 6x - 54$$

$$3x^2 + 21x - 54$$

Question 10

Expand the product of linear binomials. $(x + 8)(-3x - 6)$

$$-3x^2 - 6x - 24x - 48$$

$$-3x^2 - 30x - 48$$